



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



8310165941 / 9959457863



sales@royalfastenersindia.com



www.royalfastenersindia.com

TECHNICAL DATA SHEET

CSK PHILLIPS SCREW



MATERIAL- STAINLESS STEEL

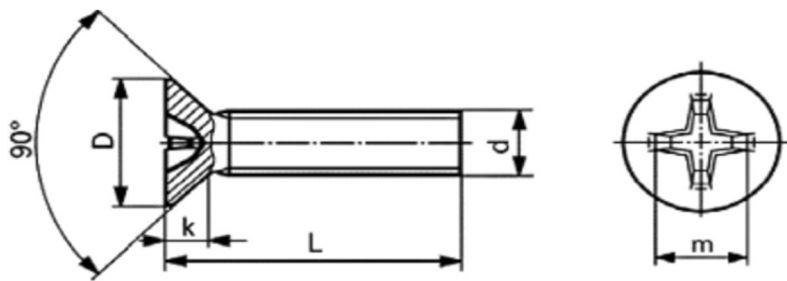
GRADE-SS316 (A4-70)

AS PER-ASME B18.6.3

CATALOGUE NO. R6A21u

INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF CSK PHILLIPS SCREW AND MATCHING PHILLIPS SCREWDRIVER.
- ENSURE THE COUNTERSUNK HOLE IS PREPARED TO MATCH THE SCREW ANGLE FOR FLUSH FITTING.
- CLEAN THE MATING SURFACE AND HOLE TO REMOVE ANY DUST, OIL, OR DEBRIS.
- POSITION THE COMPONENTS IN PROPER ALIGNMENT BEFORE INSERTING THE SCREW.
- PLACE THE CSK PHILLIPS SCREW INTO THE COUNTERSUNK HOLE BY HAND TO START THREADING.
- INSERT THE PHILLIPS SCREWDRIVER INTO THE CROSS SLOT OF THE SCREW HEAD.
- TURN THE SCREWDRIVER CLOCKWISE WHILE APPLYING EVEN PRESSURE.
- ENSURE THE SCREW HEAD SITS FLUSH WITH THE MATERIAL SURFACE AFTER TIGHTENING.
- DO NOT OVERTIGHTEN TO PREVENT THREAD DAMAGE OR MATERIAL CRACKING.
- USE A TORQUE SCREWDRIVER IF SPECIFIC TORQUE VALUES ARE REQUIRED.
- INSPECT THE INSTALLED SCREW TO CONFIRM A SECURE AND FLUSH FIT.



UNC SERIES

THREAD CLASS 2A

Size→	#2-56	#4-40	#6-32	#8-32	#10-24	#12-24	1/4"-20
Screw dia d	0.086 (2.18 mm)	0.112 (2.84 mm)	0.138 (3.51 mm)	0.164 (4.17 mm)	0.190 (4.83 mm)	0.216 (5.49 mm)	0.250 (6.35 mm)
Head Dia dk	min	0.144	0.191	0.238	0.285	0.333	0.442
	max	0.162	0.212	0.262	0.312	0.362	0.477
Head Ht k, Ref	0.051	0.067	0.083	0.100	0.116	0.132	0.153
Recess dia m Ref	0.096	0.122	0.168	0.182	0.198	0.262	0.276
Driver size	1	1	2	2	2	3	3

Quote the PART NUMBER given below with your order/ inquiries:

All Dimensions in mm

Size→ Length↓	#2-56	#4-40	#6-32	#8-32	#10-24	#12-24	1/4"-20
3/16"	R6A21u25648	R6A21u44048					
1/4"	R6A21u25662	R6A21u44062	R6A21u63262				
5/16"	R6A21u25679	R6A21u44079	R6A21u63279	R6A21u83279	R6A21u12479	R6A21u22479	R6A21u62079
3/8"	R6A21u25691	R6A21u44091	R6A21u63291	R6A21u83291	R6A21u12491	R6A21u22491	R6A21u62091
1/2"	R6A21u25613	R6A21u44013	R6A21u63213	R6A21u83213	R6A21u12413	R6A21u22413	R6A21u62013
5/8"	R6A21u25615	R6A21u44015	R6A21u63215	R6A21u83215	R6A21u12415	R6A21u22415	R6A21u62015
3/4"	R6A21u25619	R6A21u44019	R6A21u63219	R6A21u83219	R6A21u12419	R6A21u22419	R6A21u62019
7/8"	R6A21u25623	R6A21u44023	R6A21u63223	R6A21u83223	R6A21u12423	R6A21u22423	R6A21u62023
1"	R6A21u25625	R6A21u44025	R6A21u63225	R6A21u83225	R6A21u12425	R6A21u22425	R6A21u62025
1 1/8"		R6A21u44028	R6A21u63228	R6A21u83228	R6A21u12428	R6A21u22428	R6A21u62028
1 1/4"		R6A21u44031	R6A21u63231	R6A21u83231	R6A21u12431	R6A21u22431	R6A21u62031
1 1/2"		R6A21u44038	R6A21u63238	R6A21u83238	R6A21u12438	R6A21u22438	R6A21u62038
1 5/8"		R6A21u44041	R6A21u63241	R6A21u83241	R6A21u12441	R6A21u22441	R6A21u62041
1 3/4"		R6A21u44044	R6A21u63244	R6A21u83244	R6A21u12444	R6A21u22444	R6A21u62044
2"		R6A21u44051	R6A21u63251	R6A21u83251	R6A21u12451	R6A21u22451	R6A21u62051

Sizes in BLUE are non-preferred. Availability is limited and MOQ is applied. *Data is strictly informative*

Note: All Austenitic Stainless-Steel Fasteners may exhibit some Magnetic Properties due to the Manufacturing Process.

Refer: ISO 3506-2 Annex F